

MAN VS. MACHINE IN STREET SWEEPING

German Device Attracting Much Attention.

WARNER STUTLER'S OPINION

Superintendent of Street Cleaning Believes "White Wings" Cannot Be Replaced.

Much interest is manifested at the District Building in a new street sweeping machine recently perfected in Düsseldorf, Germany. This machine is a combination of a street sweeper and a vacuum cleaner, taking up the dirt from the street and dumping it in a cart attached to the apparatus behind. The new street cleaner was on exhibition at the Düsseldorf Exposition, and is said to have attracted wide attention among visitors at the fair.

The apparatus has a large water tank under the driver's seat, from which a stream is thrown over the surface of the pavement in front of the brushes, which revolve underneath in the center of the wagon. The brushes are fitted to flexible fixtures which adjust them to any uneven parts of the pavement, and literally all the dirt is taken up.

After being swept up by the brushes the dirt is deposited upon a revolving apron which carries it upward and over the hind wheels of the vehicle into the cart behind. When full the cart is detached and an empty one takes its place, the full cart being drawn away to the dump.

A similar machine was invented two or three years ago in New York and was tried in Washington.

Claims of Inventors.

It is claimed by the inventors of the Düsseldorf cleaner that it will do the work of a whole squad of "White Wings," and do it much cheaper and better. In the printed announcements of the invention sent to the Street Cleaning Department it is stated that the hand cleaning brigade is doomed because of the economy of the new invention.

Warner Stutler, Superintendent of Street Cleaning, in speaking of the matter yesterday, said that the New York apparatus was tried here about three years ago with fairly good results. It swept the streets and did the work well. But he said that this or any other machine doing the work by horse power would never supersede the "White Wings" for the reason that machine sweeping has to be done at night while the streets are free from traffic. This, he said, resulted in clean streets at night and the early hours of the morning and dirty pavements in the afternoon and evening.

Mr. Stutler maintains that the mechanical devices must of necessity be so large and heavy that they cannot be worked in the day time when the streets are crowded with wagons and vehicles, while the hand-cleaners can move about among the teams standing or in motion and keep the streets in good condition throughout the day.

The cleaning of streets by hand in the morning and the patrol for eight hours through the day, in Mr. Stutler's opinion, is the ideal method. It results in clean pavements all day and not for a few hours only. Furthermore, the experience in Washington has been always that the hand-cleaning is the cheapest per square yard.

Comparison of Costs.

Mr. Stutler presented some interesting figures relative to the comparative cost of hand and machine cleaning of streets for the last fiscal year. It appears that 210 men worked in the hand cleaning service for 272 days. They cleaned an area of 575,992,920 square yards, at a cost of \$72,853.49, and took away to the dumps 36,316 cubic yards of debris. The equipment for hand cleaning was 24 horses, 11 wagons, 12 sets of harness, 130 hard sweeping machines, 100 bag carriers, 200 snow scrapers, and 500 shovels, all owned by the District.

The machine sweeping is done under contract and the contractor worked 236 days, cleaning 207,528,188 square yards at a cost of \$37,355.08, involving 19,971 cubic yards of debris.

The cost by hand cleaning was 15.4 cents for each 1,000 yards, and the machine cleaning cost 18 cents for each 1,000 yards.

Mr. Stutler called attention to the fact that in Paris, Berlin and other European cities the hand cleaning is on the increase on all the fine streets. Probably the best results achieved in the world are to be found in Paris, where no fifth is allowed to lie on the streets for a period of five minutes. There the omniscient, alert and efficient hand cleaner is seen in his glory.

Will Not Banish "White Wings."

The superintendent of street cleaning expressed much interest in the Düsseldorf machine, but he said he had no idea that it would prove to be the means of banishing the man in white uniform from the streets and avenues of Washington. On the other hand, he thought the machine would prove just as heavy and cumbersome as the machines now employed, which cannot be used by day at all, because of the interference with traffic.

Mr. Stutler believed that the true solution of cleaning city pavements is hand sweeping by day and flushing with water by night. He has been trying for the past two years to secure an appropriation from Congress which will enable him to flush such thoroughfares as Pennsylvania Avenue and F Street every night in summer from end to end. In the hot weather the asphalt pavements, he says, become covered with an oleaginous coating that no kind of sweeping will remove. Water dissolves it and carries it away.

Mr. Stutler says that if the pavements were washed clean at least three nights each week, with the hand sweeping by day, there would no longer be any ground for complaint of the condition of the highways. He hopes within a year or two to put this method to practical test.

POISON EATERS WILL ENJOY HOLIDAY DISHES

Special Dinner Arranged for Christmas Day for Professor Wiley's Guests.

"Not even the twelve young men who are eating the viands know whether the food prepared for them each day contains any of the preservatives we wish to test."

This emphatic denial of published statements concerning the food experiments at the Department of Agriculture was made today by Dr. Wiley, chief of the Bureau of Chemistry.

"As is well known, the mind has great influence over the body," he continued. "Naturally, therefore, were I to let the young men know when the preservatives were put in their food and that it might possibly make them sick, their thoughts would be continually dwelling upon the matter and would be conducive to illness, which might not be caused by the adulterations in the slightest."

"We had a funny instance. One young man, shortly after the trial began, became slightly ill. He declared that it must be from the preservatives in the food which we served to him. As a matter of fact his illness could not have been so caused as not an ounce of preservatives had been put into his food."

"I have not said that the preservatives have already been placed in the food, and I do not wish to be misunderstood. No one but myself will know when this happens. It would tend to spoil the experiment, and I will maintain absolute silence on the subject until the end. Then I will make a report covering the entire test."

Asked if the young men were living up to their agreement not to touch foods other than those given them in the bureau, Dr. Wiley said he believed they were.

"The men have been put on their honor," he said, "and I believe them honorable. They have been asked to abstain from all alcoholic stimulants and to use tobacco only at stated periods, prescribed by us, and in stated amounts. They all have agreed to take no unusual exercises and to live as regularly as possible. In short they have agreed to live 'temperance' lives."

The young men visit the room in the laboratory of the bureau on B Street southwest three times daily—at 8 in the morning for breakfast, at noon for lunch, and at 5:30 for dinner. Before dinner they strip, are weighed and examined. The figures thus taken are compiled, and when the tests are completed will be used in the final report. Thus far no evil effects of the preservatives, if they really have been introduced in the food, have been felt by any of the young men.

A special dinner will be given the young men on Christmas. It will consist of turkey, cranberry sauce, and other holiday dishes.

The daily bill of fare is something like this:

Bread, 100 grams; turkey, 100 grams; meat, 75 to 100 grams; milk, 100 cubic centimeters; dessert, from 50 to 100 grams, according to its richness.

The names of the twelve young men who are undergoing the test are as follows: John D. Eldridge, E. B. Dudley, W. J. Jordan, B. J. Teasdale, Eugene H. McCarthy, J. S. Clifford, J. L. Weber, F. Norton, T. E. Smith, Freeman Dubois, and C. Orton.

Dr. Wiley this afternoon will turn the class over to Prof. Bigelow, his assistant, and leave Washington for Indianapolis, where he will deliver an address to the Indiana Academy of Science, of which he is president, Friday. His address will be on "The Contribution of Science to the Economic Development of Indiana."

CITIZENS DISCUSS NEEDS OF CAPITAL

North Capitol and Eckington Associations Meet.

Several questions of interest to Washingtonians were under consideration at a meeting of the North Capitol and Eckington Citizens' Association last night at the Church of the United Brethren.

In the report of the executive committee it was recommended that reiteration be made of the action previously taken favoring the advance of a loan to the District by the Government for building the filtration plant, and other current expenses for the general improvement of the city.

The committee also recommended the reiteration of their approval of the proposed removal of the almshouse and jail from their present location. These buildings, the committee reported, prevent the extension of the city eastward, besides being a hindrance to the construction of a boulevard along Massachusetts Avenue. Both of these recommendations were adopted.

The railway committee reported their appeal for transfers to the cars passing the Congressional Library had been favorably answered, but also said they had not been successful in securing the displacement of combination cars by winter cars.

The association endorsed the action of Senator Gallinger in his effort to have the "half and half" principle adopted. This measure provides that half of the expense of opening new streets devolve upon the Government.

The committee on fire and police was instructed to communicate with Major Sylvester, advocating his recommendation for an increase in the police force from 540 to 600 men. Complaints have recently been made in Eckington that indicate the need for better police service.

The nomination of the following committees was favorably passed upon: Railways—W. J. Hughes, J. E. Rockwell, H. C. Myers, and R. J. Marsh; Press—Charles E. Kern, Sidney P. Hollingsworth, W. B. Magruder, D. L. Scoville, and T. W. Stanton.

Streets, sidewalks and lights—H. E. Blau, John Imrie, Bernard Waters, and C. M. D. Broyles.

Sewers and water—J. H. Lane, Dr. W. W. Trail, George Lippert, and William J. Armstrong.

Fire and police protection—Theodore T. Moore, J. W. Lovelace, M. L. Bundy, Jr., and G. A. Kneass.

City limits—S. W. Williams, A. S. Jones, F. A. Penning, and William E. Shannon.

Schools and schoolhouses—A. R. Serven, S. M. Letzell, Irwin B. Linton, Barton A. Bean, and Selden M. Ely.

Parks and parking—Irwin B. Linton, Edwin Williamson, William A. Taylor, W. M. Irwin, and Edward Fuhrman.

Mail facilities (special)—Solon C. Keaton, Dr. Mark W. Moore, E. J. Bentley, and J. E. Hammond.

Baltimore and Ohio viaduct (special)—W. S. Chase, A. R. Serven, Irwin B. Linton, G. A. Lyon, Jr., and P. A. Auer.

Public health—Dr. E. E. Thompson, Dr. J. C. Tappan, Alfred D. Smith, and Dr. A. L. Howard.

The membership committee was not announced.

Eczema, No Cure, No Pay.

Your druggist will refund your money if PAZO OINTMENT fails to cure Ringworm, Tetter, Old Ulcers and Sores, Pimples, and Itchiness on the face, and all skin diseases. 50 cents.

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Small's Flowers for Christmas.

J. H. Small & Sons, Florists, 14th and G sts., Washington; 2123 Broadway and Washington, N. Y. American Beauty roses, violets, carnations, all Christmas floral novelties.

CANNOT IMPROVE BRIGHTWOOD AVENUE

District Commissioners' Reply to W. F. Gasch.

William F. Gasch and others will be informed by the District Commissioners that they do not deem it good policy to grant the request recently made for the improvement of Brightwood Avenue. The decision of the Commissioners was based upon a report by the Computing Engineer, who said:

"In regard to the unfinished condition of Brightwood Avenue the Commissioners desire to state that this avenue has been more favored in the expenditure of the limited funds in their control than any other such highway in the District. Within the last five years upward of \$50,000 has been spent on the roadway, and an additional \$2,500 has been authorized, and is only awaiting proper material to carry on the work."

"Regarding the price of the stone used the Commissioners would say that you are in error in saying the stone from the District's quarry in Maryland is more expensive than local stone. As indicative of this it may be stated that during the progress of the work the supply of stone from the Dickinson quarry was insufficient for its needs and proposals were invited for an extra supply of 5,000 yards of broken stone. The bids for local stone delivered on the avenue were \$2.45 and \$2.30 per cubic yard, while a bid received for Kearneyville limestone delivered by railroad and hauled to the street (which bid was accepted) was \$1.85 per cubic yard. All of these prices represent the cost of stone delivered on the avenue. At the same time the Dickinson stone cost \$1.22 at the Takoma siding and an allowance for hauling it to the same point as the limestone was used represented a total cost of \$1.57, or absolutely the cheapest stone that was used as indicated by this particular comparison."

"Benning Road, between Fifteenth Street and the Eastern Branch, is a highly improved county road, and no additional width is required at this time for roadway purposes. When sidewalks are needed the property owners can well afford to donate a sufficient width to lay them, as has been done on several other roads in the District, and it is believed that when the property lying along this road is resubdivided to conform to the highway extension plans, much of the additional width of roadway proposed in the bill will be dedicated to the District."

HAVE YOU ANY OF THESE

Symptoms of a Very Common Trouble?

There is no disease so common in the United States as catarrh, because it appears in so many forms and attacks so many different organs.

It is a common mistake to suppose that catarrh is confined to the nose and throat. Any inflammation of the mucous membrane, wherever located, accompanied by abnormal secretion is catarrh. Catarrh of stomach or bladder or intestines is nearly as common as nasal catarrh and much more serious, although it is true that stomach catarrh and catarrh of other internal organs is the result of neglected nasal catarrh.

A new remedy has recently appeared which so far as tested seems to be remarkably effective in promptly curing catarrh, wherever located. The preparation is sold by druggists generally under the name of Stuart's Catarrh Tablets and in addition to being very palatable and convenient, possesses extraordinary merit. In many cases giving immediate relief from the coughing, hawking and constant clearing of the throat and head, those symptoms with which everyone is familiar who has ever suffered from colds in the head and throat.

Catarrh is simply a continuation of these symptoms until the trouble becomes chronic and grows gradually worse from year to year.

Stuart's Catarrh Tablets are composed of blood root, red gum and similar anti-cathartic and cathartic specifics, from which it will be seen that no secret is made of the ingredients and also that no mineral poisons are used, as is the case with many well known catarrh medicines.

For catarrh of the nose, throat, bronchial tubes, for catarrh of stomach, intestines or bladder no preparation is so safe and gives such rapid and permanent results as Stuart's Catarrh Tablets.

All druggists sell them at 50c for full sized package. You can use them with assurance that you will not contract the cocaine or morphine habit, as the results from this catarrh cure are apparent from the first day's use.

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NOT NECESSARY TO WIDEN BENNING ROAD NOW

Unfavorable Report by Local Engineer Department.

The District Commissioners have received from W. P. Richards, engineer in charge of streets, an unfavorable report on House bill No. 15212, for the widening of Benning Road. In part, Mr. Richards says:

"Benning Road was originally 33 feet wide, but it has been widened on the south side between Fifteenth and Seventeenth Streets to 45 feet. The Columbia Street Railroad owns a strip of land 30 feet wide bordering the north side, between Fifteenth Street and Benning, which it acquired under the law granting it authority to extend its line. The widening proposed by the bill would require a strip 12 feet wide to be condemned between Seventeenth Street and the Eastern Branch on the south side, and a strip 35 feet wide north of the 30-foot strip owned by the railroad company, to make the width 110 feet as shown on the highway plans."

"Benning Road, between Fifteenth Street and the Eastern Branch, is a highly improved county road, and no additional width is required at this time for roadway purposes. When sidewalks are needed the property owners can well afford to donate a sufficient width to lay them, as has been done on several other roads in the District, and it is believed that when the property lying along this road is resubdivided to conform to the highway extension plans, much of the additional width of roadway proposed in the bill will be dedicated to the District."

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MASONS HONOR THEIR DEPARTED COMPANIONS

Solemn Services at the Temple Last Evening.

Memorial services in honor of six members who have died in the course of the past year were held last night by Mount Vernon Royal Arch Chapter, No. 2, of the District in the chapter room in Masonic Temple, corner of Ninth and F Streets northwest.

The services consisted of addresses on the lives and work of each of the six members who have passed away, delivered by companions of the chapter, interspersed with music of an appropriate nature. The session of the chapter was secret. An opening prayer was delivered by the Rev. Charles F. Sontag. Reports were then received, after which addresses upon the dead companions were given in the following order:

Companion George S. Prindle, by Companion J. Claude Kelper; Companion Henry Ralph, Jr., by Companion Robert O'Donnell; Companion Robert H. Gunnell, by the Rev. Companion J. J. Muir; Companion Octavius L. Pruden, by Companion E. A. Kneier; Companion J. W. Abel, by Companion Jacobus S. Jones; Companion C. Arthur Snyder, by Companion James T. Gibbs.

Major Octavius L. Pruden, who was among those whose memory was honored, was prominent in Washington for many years as engraving clerk of the White House. As bearer of the President's messages to Congress he became a figure in the city's political life and was known all over the United States.

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